

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: July 4, 2001, 23:34:20 ; Search time 594.66 Seconds

(without alignments)
1758.084 Million cell updates/sec

Title: US-09-117-447-1

Perfect score: 3687
Sequence: 1 atgagtagagaaaaagctgt.....ttacattctataatgaagtaa 3687

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 379599 seqs, 141776823 residues

Total number of hits satisfying chosen parameters: 759198

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_New : *
1: /cgnl_7/ptodata/2/pna/PC7_NEM_COMB.seq : *
2: /cgnl_7/ptodata/2/pna/US06_NEM_COMB.seq : *
3: /cgnl_7/ptodata/2/pna/US07_NEM_COMB.seq : *
4: /cgnl_7/ptodata/2/pna/US08_NEM_COMB.seq : *
5: /cgnl_7/ptodata/2/pna/US09_NEM_COMB.seq : *
6: /cgnl_7/ptodata/2/pna/US60_NEM_COMB.seq : *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	50	1.4	89549	US-09-134-001C-322	Sequence 322, App
2	47.8	1.3	1284	US-09-134-001C-2306	Sequence 2306, Ap
3	46.6	1.3	882	US-09-783-514A-1813	Sequence 1813, Ap
4	46.6	1.3	882	US-09-315-788A-1813	Sequence 1813, Ap
5	46.6	1.3	918	US-09-560-875A-4294	Sequence 4294, Ap
6	46.6	1.3	1301	US-09-614-887-831	Sequence 831, App
7	44	1.2	396	US-09-560-875A-5061	Sequence 5061, Ap
8	43.8	1.2	461	US-09-371-146A-248315	Sequence 248315,
9	43.6	1.2	892	US-09-371-146A-219252	Sequence 219252,
10	43.2	1.2	273	US-09-134-001C-3430	Sequence 3430, Ap
11	42.8	1.2	1791	US-09-134-001C-2707	Sequence 2707, Ap
12	42.2	1.1	993	US-09-134-001C-974	Sequence 974, App
13	42.2	1.1	271	US-08-221-623D-610	Sequence 610, App
14	42	1.1	801	US-09-134-001C-2616	Sequence 2616, Ap
15	41.2	1.1	441	US-09-371-146A-101327	Sequence 101327,
16	41.2	1.1	2409	US-09-134-001C-1003	Sequence 1003, Ap
17	40.8	1.1	303	US-09-371-146A-239837	Sequence 239837,
18	40.8	1.1	1185	US-09-134-001C-2117	Sequence 2117, Ap
19	40.4	1.1	936	US-09-134-001C-1398	Sequence 1398, Ap
20	40.2	1.1	371	US-09-371-146A-266361	Sequence 266361,
21	40	1.1	2405	US-09-298-523C-70	Sequence 70, Appl
22	39.8	1.1	11091	US-09-134-001C-2243	Sequence 2243, Ap
23	39.6	1.1	4675	US-09-560-875A-8064	Sequence 8064, Ap
24	39.4	1.1	371	US-09-371-146A-267664	Sequence 267664,
25	39.2	1.1	3033	US-09-134-001C-2341	Sequence 2341, Ap
26	39.2	1.1	3846	US-09-560-875A-3398	Sequence 3398, Ap
27	39	1.1	1210	US-09-560-875A-8031	Sequence 8031, Ap

C	28	38.8	1.1	339	5	US-09-134-001C-515	Sequence 515, App
C	29	38.8	1.1	459	5	US-09-371-146A-270310	Sequence 270310,
C	30	38.8	1.1	729	5	US-09-134-001C-491	Sequence 491, App
C	31	38.6	1.0	306	5	US-09-371-146A-260810	Sequence 260810,
C	32	38.4	1.0	646	5	US-09-614-887-386	Sequence 386, App
C	33	38.4	1.0	1590	5	US-09-446-861-73	Sequence 73, Appl
C	34	38.2	1.0	422	5	US-09-854-133-337	Sequence 337, App
C	35	38.2	1.0	498	5	US-09-134-001C-2731	Sequence 2731, Ap
C	36	38.2	1.0	1329	5	US-09-134-001C-196	Sequence 196, App
C	37	38.2	1.0	1608	5	US-09-134-001C-2407	Sequence 2407, Ap
C	38	38	1.0	690	5	US-09-134-001C-1404	Sequence 1404, Ap
C	39	38	1.0	966	5	US-09-134-001C-53	Sequence 53, Appl
C	40	38	1.0	1210	5	US-09-560-875A-8031	Sequence 8031, Ap
C	41	38	1.0	4109	1	PCT-US01-08836-42	Sequence 42, Appl
C	42	37.8	1.0	204	5	US-09-134-001C-2531	Sequence 2531, Ap
C	43	37.8	1.0	420	5	US-09-134-001C-1576	Sequence 1576, Ap
C	44	37.8	1.0	507	5	US-09-371-146A-263288	Sequence 263288,
C	45	37.8	1.0	3552	5	US-09-134-001C-693	Sequence 693, App

ALIGNMENTS

RESULT 1
US-09-134-001C-322

; Sequence 322, Application US/09134001C
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucelte-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 322
; LENGTH: 30549
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-322

Query Match 1.4%; Score 50; DB 5; Length 30549;
Best Local Similarity 42.7%; Pred. No. 0.12;
Matches 324; Conservative 0; Mismatches 425; Indels 9; Gaps 1;

QY	619	aaagcgcggaagtacaaagcgtgtgaaagcagcgaatttgacaaagtaagctgtc	678
DB	26770	aaagcggaataaataatgtatgttaataattatcaaaagctacacacatgca	26829
QY	679	gttagcaaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaat	738
DB	26830	aatgataaataatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaat	26889
QY	739	gaagtagcgaataaagcattagatgagatgagatgagatgagatgagatgagat	798
DB	26890	tttgatttaaatgataatgataatgataatgataatgataatgataatgataat	26949
QY	799	gttagtgagatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaatcaat	858
DB	26950	gttccagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc	27009
QY	859	acactaaattcaaatcttcagctgtgcaatgaaagtaagtaagtaagtaagtaag	912
DB	27010	gctttagaagatgctgcgaagaagcttcgcaagaagaagaagaagaagaagaaga	27069
QY	913	---acgtacgtatcatataaagttagcaggttaacatccatttgcccttaacgagat	969
DB	27070	caattcagagactcaacaagaagtagtgagataactcaagaagatgatttaagtacaa	27129

```
OY 970 gtctcttctacagcagcaaaaactacactgttgatgcttcacccctccatctcgaaat 1029
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 27130 cgtttatccaaaagctaaagctaaagcaatctcaatcagctacacatcttattatcat 27189
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 1030 aatacagagataaagtagtagttaaggatataagacaataaagcgcaagaatttaa 1089
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 27190 gatgcacagcgtcatatgtctgaaaataataatcacacactcgtgatcttaccattta 27249
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 1090 gaaggtgcctacacttcgaagcttcgaatgctgtgctgattaccctaagtggttgaant 1149
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 27250 gcaaatcaccttctcaagctgtgatttagaataatgcatatgaagaacttaccagatact 27309
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 1150 aatgtaacaacaacacactctgttaacttagcagcaggtacttcgcacatgcagatact 1209
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 27310 atagaaagtaattcaactctctgtcccaaatagtgatgattatattatctgtcataagaa 27369
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 1210 ttaacagtgatttttgataagttgttagcactgtgaactcgttaaacagctcgagcttact 1269
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 27370 ttacaatatgaatttgatgagcgctacacaagaagcgacaagtgcttaaaacttca 27429
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 1270 attacagatgttgaacactggaacacgtccagtaattgcatctactctgtcttaca 1329
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 27430 gaaatccagcaacgattgaaagaagtattaggtcttagtcaagccattacgatacaaa 27489
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 1330 attactatcgttaaagaagcgttagtaactggttaa 1367
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 27490 aatgcattaatggtgaaacaacgacttgcactgagaa 27527
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

RESULT 2

```
US-09-134-001C-2306
; Sequence 2306, Application US/09134001C
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2306
; LENGTH: 1284
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
; US-09-134-001C-2306
```

```
Query Match 1.3%: Score 47.8; DB 5; Length 1284;
Best Local Similarity 44.2%; Pred. No. 0.18;
Matches 196; Conservative 0; Mismatches 247; Indels 0; Gaps 0;
```

```
OY 311 aataatgaactacgttttcaaaagcaaaccttaactctgacgaagctcgttgaagaactt 370
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 539 aacacgaagaacagacttagagtgatcaccggaagcggaagccaattcagaagcttaaaa 598
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 371 acatcagatgcttaccactatgcaaaaaattagacgaatgtgcgaagcgctcagaagcgctg 430
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 599 gtgaagcttgatccaacataaacaatctacgacgcactagatgattggaagaagacctt 658
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 431 cgtttcacaacaaagatttagaaaagcgaaacatactatcatcaaaaattccttcttgaaa 490
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 659 ctgcgtgaagaaattcgaattgtctcaaaagcgcaagttaaagaagaaacgaagcaatcatgatt 718
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 491 ttaaaactcgacagctacattttagatcgcgtatattggttaaaacaactcgtgatttacttc 550
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 729 tagcaaaccttctcgaagtggaagatactctaaagtagtcaggaactcgaagaaacgaa 778
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 551 gctctacatttaagcaaaagcagaagaacttcgcagacagcttaattatgatatcacg 610
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```
Db 779 aattagctgcagcggaagaagcaaaaagaatagataataataataatgaagtgtcta 838
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 611 ttgcgaatgaagacgagcggaagcgaagcgtgtgaagcagcgaatttagacaagcta 670
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 839 gtaacacgaaaatctaatgtcagaagaagcgcataaaagcttcaataactctgtgttc 898
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 671 aagctgtcgtgatcaaatcaatcaatcttaccaaaaglaacagatgcttcaaaactg 730
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 899 caaatcttgtaactaatlttaaatcaatctccaagcaltcagatactaatcttactgtcttacc 958
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 731 aactacagaagatgcgaaaaaa 753
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 959 gcttagcacagcgcaagcaaaaagaa 981
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

RESULT 3

```
US-09-783-514A-1813
; Sequence 1813, Application US/09783514A
; GENERAL INFORMATION:
; APPLICANT: Gearing, David P.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
; FILE REFERENCE: 1600.1019-002
; CURRENT APPLICATION NUMBER: US/09/783,514A
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 09/315,788
; PRIOR FILING DATE: 1999-05-21
; PRIOR APPLICATION NUMBER: 60/086,455
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/132,067
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 2346
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1813
; LENGTH: 882
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(882)
; OTHER INFORMATION: n = A,T,C or G
; US-09-783-514A-1813
```

```
Query Match 1.3%: Score 46.6; DB 5; Length 882;
Best Local Similarity 48.3%; Pred. No. 0.3;
Matches 130; Conservative 0; Mismatches 139; Indels 0; Gaps 0;
```

```
OY 648 agcagcgaatttagacaagcctaagctgtgtgtatcaaatcaatcaatctaccsaa 707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 499 agcgtttaatctaaagaagcctacagataccataaactctatgtygaanaaatatgactt 558
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 708 agtaacagatgtcttcaaaaactgaactaacagagaatgacgaaaaaagcatatgatgcaga 767
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 559 agcaaaagctgtatttcgacagagaataatgacgaacacagctcagaatttcaagatatga 618
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 768 tgaagctgagcttaccacaaagttgaaagtgtaagtgcatcttaaacactcaaaaagc 827
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 619 agaaactcatctcatcatataaagaagaattatagatccctgttaaatgctcataaagga 678
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 828 tgttgataaagcagtlacacagtlgaacggaacacataaattatcaacttcagctgcgc 887
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 679 aattcatattgcagatagcgccaggtccatcagaagaatttataaataacatgycctaactac 738
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 888 aatgaagatacagtcaaacgttaataactg 916
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 739 agttgaagtttgatacaaaaatttgcgtg 767
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

RESULT 4

```
US-09-315-788A-1813
; Sequence 1813, Application US/09315788A
```

```

: GENERAL INFORMATION:
: APPLICANT: Gearing, David P.
: APPLICANT: Holtzman, Douglas A.
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
: FILE REFERENCE: 1600.1019-002
: CURRENT APPLICATION NUMBER: US/09/315,788A
: PRIOR FILING DATE: 1999-05-21
: PRIOR APPLICATION NUMBER: 09/315,788
: PRIOR FILING DATE: 1999-05-21
: PRIOR APPLICATION NUMBER: 60/086,455
: PRIOR FILING DATE: 1998-05-22
: PRIOR APPLICATION NUMBER: 60/132,067
: PRIOR FILING DATE: 1999-04-30
: NUMBER OF SEQ ID NOS: 2346
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 1813
: LENGTH: 882
: TYPE: DNA
: ORGANISM: Homo sapien
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)...(882)
: OTHER INFORMATION: n = A,T,C or G
: US-09-315-788A-1813

Query Match          1.3%; Score 46.6; DB 5; Length 882;
Best Local Similarity 48.3%; Pred. No. 0.3;
Matches 130; Conservative 0; Mismatches 139; Indels 0; Gaps 0;

QY 648 agcagcgaatttagacaagcctaagctgctgtgtgtaacaaatcaatcaacttaccacaa 707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 499 agctgttaaatcttaagaagaagctacagataactataaactatgtggaataaataatgcatt 558
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 708 agtaacagatgcttccaacacgtaacacagaagtagcgaataaagaacattagatcaga 767
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 559 agcaaaagctgttcttcgaacagaataatgacagaagaacgctgcgaatttcaagatttga 618
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 768 tgaagctgcgtctactccaagaattgaaagtgtgaagtcgatttaacactccaacaagaagc 827
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 619 agaactcctcatcattcacataaagaataattatagatcctctgccaatgctataaaga 678
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 828 tgttgatttaacagcagctacagctgtaacggaacacactaaattacactttagctgtgc 887
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 679 aattcattgcagataagcgcaggtccatgaaagaatttataaataacatggttaactac 738
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 888 aaatgaagatcacagtaaacgttaactg 916
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 739 agtgaagaagtttgatacaaaaatttgcgtg 767
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 5
US-09-560-875A-4294
: Sequence 4294, Application US/09560875A
: GENERAL INFORMATION:
: APPLICANT: Tang, Yuanhua T.
: APPLICANT: Tillinghast, John
: APPLICANT: Sinku, Ankura
: APPLICANT: Liu, Chenghua
: APPLICANT: Drmanac, Radoje T.
: TITLE OF INVENTION: Novel Contigs Obtained
: FILE REFERENCE: 787
: CURRENT APPLICATION NUMBER: US/09/560,875A
: CURRENT FILING DATE: 2000-04-27
: Prior application data removed - consult PALM or file wrapper
: NUMBER OF SEQ ID NOS: 10410
: SOFTWARE: PL-CT_genes Version 1.02
: SEQ ID NO: 4294
: LENGTH: 918
: TYPE: DNA
: ORGANISM: Homo sapiens
```

```

: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (55)...(918)
: OTHER INFORMATION: Similar to g12564328 in the genepept database release 114,
: OTHER INFORMATION: Run with FASTX 3.3c00, default parameters
: US-09-560-875A-4294

Query Match          1.3%; Score 46.6; DB 5; Length 918;
Best Local Similarity 48.3%; Pred. No. 0.3;
Matches 130; Conservative 0; Mismatches 139; Indels 0; Gaps 0;

QY 648 agcagcgaatttagacaagcctaagctgctgtgtgtaacaaatcaatcaacttaccacaa 707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 555 agctgttaaatcttaagaagaagctacagataactataaactatgtggaataaataatgcatt 614
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 708 agtaacagatgcttccaacacgtaacacagaagtagcgaataaagaacattagatcaga 767
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 615 agcaaaagctgttcttcgaacagaataatgacagaagaacgctgcgaatttcaagatttga 674
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 768 tgaagctgcgtctactccaagaattgaaagtgtgaagtcgatttaacactccaacaagaagc 827
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 675 agaactcctcatcattcacataaagaataattatagatcctctgccaatgctataaaga 734
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 828 tgttgatttaacagcagctacagctgtaacggaacacactaaattacactttagctgtgc 887
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 735 aattcattgcagataagcgcaggtccatgaaagaatttataaataacatggttaactac 794
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 888 aaatgaagatcacagtaaacgttaactg 916
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 795 agtgaagaagtttgatacaaaaatttgcgtg 823
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 6
US-09-614-887-831
: Sequence 831, Application US/09614887
: GENERAL INFORMATION:
: APPLICANT: Williamson, Mark
: APPLICANT: Shyjan, Andrew W.
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES DERIVED FROM A
: FILE REFERENCE: 1600.1140-001
: CURRENT APPLICATION NUMBER: US/09/614,887
: CURRENT FILING DATE: 2000-07-12
: PRIOR APPLICATION NUMBER: 60/143,495
: PRIOR FILING DATE: 1999-07-12
: NUMBER OF SEQ ID NOS: 920
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 831
: LENGTH: 1301
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-614-887-831

Query Match          1.3%; Score 46.6; DB 5; Length 1301;
Best Local Similarity 48.3%; Pred. No. 0.3;
Matches 130; Conservative 0; Mismatches 139; Indels 0; Gaps 0;

QY 648 agcagcgaatttagacaagcctaagctgctgtgtgtaacaaatcaatcaacttaccacaa 707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 588 agctgttaaatcttaagaagaagctacagataactataaactatgtggaataaataatgcatt 647
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 708 agtaacagatgcttccaacacgtaacacagaagtagcgaataaagaacattagatcaga 767
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 648 agcaaaagctgttcttcgaacagaataatgacagaagaacgctgcgaatttcaagatttga 707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 768 tgaagctgcgtctactccaagaattgaaagtgtgaagtcgatttaacactccaacaagaagc 827
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 708 agaactcctcatcattcacataaagaataattatagatcctctgccaatgctataaaga 767
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 828 tgttgatttaacagcagctacagctgtaacggaacacactaaattacactttagctgtgc 887
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```



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; Db 361 aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa 420
; QY 617 tgaagcgcggaagtaacagacgctgtgaagcaggcaatttagacaagctgaagcty 676
; Db 421 aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa 480
; QY 677 cgttgatcaatcaatcaatcttacc-aaagtacagatgcttcaaaactgnacta 755
; Db 481 agaaaaaagaaaaaagaaagaaagaaagaaagaaagaaagaaagaaagaaagaaagaa 540
; QY 736 acagaagtgcgaaaaagcatttagatgcagatgaagctgcgcttctccaaaagttaga 795
; Db 541 aagagaaaaaagaaaaaagaaaaaagaaaaaagaaaaaagaaaaaagaaaaaagaaaa 600
; QY 796 agtgaagtgcgattacacccaacaaagcgtgtgaattacagcagtlaccagtgaaac 855
; Db 601 aagagaaggaataaaaaaagagaagagaataatgaaaaaagaaataaaaaaagaaaa 660
; QY 856 ggaacacctaattcaacttccagctgtgcgaatgaaagatcagtaaa 905
; Db 661 aaaaaaaaaaaaaaaaaagagatgaaaaaagaaaaaagaaaaa 710

```

RESULT 10
US-09-371-146A-3430

```

; Sequence 3430, Application US/09371146A
; GENERAL INFORMATION:
; APPLICANT: Chelkh, Nordine
; APPLICANT: Liu, Jindong
; TITLE OF INVENTION: ANNOTATED PLANT GENES
; FILE REFERENCE: 38-21(15097)C
; CURRENT APPLICATION NUMBER: US/09/371,146A
; CURRENT FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: US 09/304,517
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 294310
; SEQ ID NO 3430
; LENGTH: 273
; TYPE: DNA
; ORGANISM: Zea mays
; US-09-371-146A-3430

```

Query Match 1.2%; Score 43.2; DB 5; Length 273;
Best Local Similarity 50.5%; Pred. No. 1.2; Mismatches 103; Indels 0; Gaps 0;

```

; QY 1500 ttatctactggtctctctacacaacaaatgttg99gtaattggtgctgtgtgaatga 1559
; Db 64 ttcatctactctttaaataaagttcatattcatltaaaatggccgctgtgtcatccc 123
; QY 1560 agctggaaactattacctgcttccatcaacaacagcttgcactaaagttagaaga 1619
; Db 124 aaataacacacttcgacccaacgaagaaagacgtaaatattgttgggttgagctg 183
; QY 1620 acttccttagctgaataacttggatagttgaaaaagaatcgtgtacagttgttctc 1679
; Db 184 gaaccctaccgaagatgactatttcaatatttcaatcaatcttgatcattgtcattgt 243
; QY 1680 tgaactaaataataatgcagacgctaaa 1707
; Db 244 taacttaataataaccagaggtgtaa 271

```

RESULT 11
US-09-134-001C-2707
; Sequence 2707, Application US/09134001C
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007

```

; ; CURRENT APPLICATION NUMBER: US/09/134,001C
; ; CURRENT FILING DATE: 1998-08-13
; ; PRIOR APPLICATION NUMBER: US 60/064,964
; ; PRIOR FILING DATE: 1997-11-08
; ; PRIOR APPLICATION NUMBER: US 60/055,779
; ; PRIOR FILING DATE: 1997-08-14
; ; NUMBER OF SEQ ID NOS: 5674
; ; SEQ ID NO 2707
; ; LENGTH: 1791
; ; TYPE: DNA
; ; ORGANISM: Staphylococcus epidermidis
; ; US-09-134-001C-2707

```

Query Match 1.2%; Score 42.8; DB 5; Length 1791;
Best Local Similarity 51.0%; Pred. No. 2.2;
Matches 101; Conservative 0; Mismatches 97; Indels 0; Gaps 0;

```

; QY 164 cagtaacggaactgtgtgaattcccaacattacagatgatatgtcgtatatacacaag 223
; Db 1052 cagccacatacactgtgtcttgcagatgaagagatgcttgcacaacagatgaag 1111
; QY 224 cgaaaaaacgatacgtgatgcgtagcatgaataaagcaggtggcgcaaaaaag 283
; Db 1112 ctaaaatacgaaggtatccaataaagtagatttagtttaatgcagaagtgagcagatg 1171
; QY 284 acgcttacttagctgaattcaaaaagaatgaatgaacttgcgttttcaaaagcaacct 343
; Db 1172 aagcttgtaaagtgatgagattataaaatgaatgaatgacttttaccagatgctatg 1231
; QY 344 aatcggcgaagctgctg 361
; Db 1232 tactcttgaaagatgctg 1249

```

RESULT 12
US-09-134-001C-974

```

; Sequence 974, Application US/09134001C
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 974
; LENGTH: 993
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
; US-09-134-001C-974

```

Query Match 1.1%; Score 42.2; DB 5; Length 993;
Best Local Similarity 49.8%; Pred. No. 2.6;
Matches 107; Conservative 0; Mismatches 108; Indels 0; Gaps 0;

```

; QY 738 agaaagtaagaaaaaagcattagatgcagatgaagctgtgcttaccccaaggttgaag 797
; Db 690 aggaagaagttcttaagaatgtaaaaaacagactatggtcatcattatataacagataa 749
; QY 798 tgaagtgcgattaacacccaacaaagcgtgtgaattaacgcaggtaccagtgaaag 857
; Db 750 aagaactgattttaatagtgaaaaatcaaatatcaacaacaaatattatcgaagaaggt 809
; QY 858 aacactaaattacaaacttcagctgtgcgaatggaatgaatgaatgaatgaatgaatga 917
; Db 810 acagaagaacctaattatcactgactgatacacaagaatatttaaaagagataaagt 869

```

Qy 918 acgatctataaagtgcagcgtacatccatttg 952
| | | | | | | | | | | | | | | | | | | |
Db 870 agactacaagaatagagatattaaaaagcaattg 904

RESULT 13

US-08-221-623D-610
; Sequence 610, Application US/08221623D
; GENERAL INFORMATION:
; APPLICANT: Adams, et al.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products
; FILE REFERENCE: PO-10
; CURRENT APPLICATION NUMBER: US/08/221,623D
; CURRENT FILING DATE: 1994-03-31
; NUMBER OF SEQ ID NOS: 3321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 610
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-221-623D-610

Query Match 1.1%; Score 42; DB 4; Length 271;
Best Local Similarity 48.0%; Pred. No. 2.2;
Matches 120; Conservative 0; Mismatches 130; Indels 0; Gaps 0;

Qy 861 actaaattacactcttgctgcgcaaatgaaatatacagtaaacgttaaatctgctacg 920
| | | | | | | | | | | | | | | | | | | |
Db 1 attgaatactatacctacacattctgcgtaacgaaagaagaaatlaaaaaaccgga 60
Qy 921 tatcataaagtgcagcgtacattccatttgccttaatacgcgagatgttctttatc 980
| | | | | | | | | | | | | | | | | | | |
Db 61 agacattgaataatctgcgtagacaagaatgtagacacaaactagtgatgataatccctcaa 120
Qy 981 tacagacggaaaactatcaactctgtgattgctcaactccatccgaataataacgagta 1040
| | | | | | | | | | | | | | | | | | | |
Db 121 cataaagctagaaagctgaggaagaaagcaaatctggaatgtaacgaataaagaaga 180
Qy 1041 taagtagtagttaaaggtataaagacaaaatgccaagaagatttaagaagatgatt 1100
| | | | | | | | | | | | | | | | | | | |
Db 181 agatgaagaatgataaggaagcagaagaaggagagagagagaagaagaagaagaaga 240
Qy 1101 caattccaag 1110
| | | | | | | | | | | | | | | | | | | |
Db 241 aaattcttaag 250

RESULT 14

US-09-134-001C-2616
; Sequence 2616, Application US/09134001C
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2616
; LENGTH: 801
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2616

Query Match 1.1%; Score 42; DB 5; Length 801;
Best Local Similarity 47.7%; Pred. No. 2.8;
Matches 123; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

Qy 2992 actgatctgcgaatcccaacggttatcttcaatcaacgattgctgacggtgcagttacgtt 3051
| | | | | | | | | | | | | | | | | | | |
Db 22 acgttaagttcgtattgcagcgtttatttgcatacaactgcgcgtcaaacgacaaagaact 81
Qy 3052 gaccgttctbaaacaataatgaattcagcgaattcagttccaaaccacaatcact 3111
| | | | | | | | | | | | | | | | | | | |
Db 82 gtagcgtgcgaactagacacatacagcgggtgtagtgaattacaatcaatcaactta 141
Qy 3112 cttaagaagcctgacggaactcttacttaatacactttagttaaagttaataatgaa 3171
| | | | | | | | | | | | | | | | | | | |
Db 142 ggtatttcattgtaaaacccgtgagatagttatataaaattgctttagaacaataact 201
Qy 3172 aataaacaatacaaaattgatttccacaagaagtgtaacacttgcagagtttactcaat 3231
| | | | | | | | | | | | | | | | | | | |
Db 202 tctttagaagagcttattagcatataactcgtgtgtagaacctcttattttccggagat 261
Qy 3232 gagttacgaagtttcaaaa 3249
| | | | | | | | | | | | | | | | | | | |
Db 262 gaattgtagatctcgaa 279

RESULT 15

US-09-371-146A-101327
; Sequence 101327, Application US/09371146A
; GENERAL INFORMATION:
; APPLICANT: Jiu, Jindong
; TITLE OF INVENTION: ANNOTATED PLANT GENES
; FILE REFERENCE: 38-21(15097)C
; CURRENT APPLICATION NUMBER: US/09/371,146A
; CURRENT FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: US 09/304,517
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 294310
; SEQ ID NO 101327
; LENGTH: 441
; TYPE: DNA
; ORGANISM: Zea mays
US-09-371-146A-101327

Query Match 1.1%; Score 41.2; DB 5; Length 441;
Best Local Similarity 47.0%; Pred. No. 3.6;
Matches 127; Conservative 0; Mismatches 143; Indels 0; Gaps 0;

Qy 195 taacgatgtatatgcttgataacacaagaacgaaanaacgataccgtgtagcgttagcatt 254
| | | | | | | | | | | | | | | | | | | |
Db 11 tgatgatgatgacgaatgatacgaatgaagatgaagaatgatagtgtagatgataga 70
Qy 255 agtgaataaagcaggtgcgcgcaaaaagaacgcttacttagtctgatttacaanaagaata 314
| | | | | | | | | | | | | | | | | | | |
Db 71 tgatgatgatgaggggtgtgtgtagacgacgacgatagaacgattgataagaagggggtga 130
Qy 315 tgaactttagcgttttcaaaagcaaaccttaaatcttgcgaagctcgtgtgtagcaacttaac 374
| | | | | | | | | | | | | | | | | | | |
Db 131 tgaagaatgatagtccttgaggcgtcaatgtagtgaagggggtgtgtagtcgcacgataga 190
Qy 375 cgaatgcttaacaactatgcacaacaaatttagacgaaatttgcgccaaaggtcagaggtcgtc 434
| | | | | | | | | | | | | | | | | | | |
Db 191 cgaatgtagatgatagtgttlaaacgatalgcagcagcatgaagaatgatagcgaagaaga 250
Qy 435 tcaagcaaaaagatttagaaaagaagcagaca 464
| | | | | | | | | | | | | | | | | | | |
Db 251 tgaagaagatgacgaacgattgaggaagaaca 280

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